

the power of

# MINI-MICRO™ FLOODLIGHT

<b>PROJECT:</b>	
<b>TYPE:</b>	
<b>CATALOG NUMBER:</b>	
<b>NOTES:</b>	

## CATALOG NUMBER LOGIC



### Example

- MM - LED - e10 - SP - BZW - 12 - 11 - B - 360SL

### Material

- Blank** - Aluminum
- B** - Brass
- S** - Stainless Steel

### Series

- MM** - Mini-Micro™ Floodlight

### Source

- LED** - 'e' Technology with Integral Driver

### LED Type

- e10** - 3WLED/3K
- e11** - 3WLED/4K
- e12** - 3WLED/Red
- e13** - 3WLED/Green
- e14** - 3WLED/Blue
- e15** - 3WLED/Amber

### Optics\*

- SP** - Spot (Green Indicator)
- FL** - Flood (Blue Indicator)

### Finish

#### Aluminum & Brass Finish

Powder Coat Color	Satin	Wrinkle
Bronze	<b>BZP</b>	<b>BZW</b>
Black	<b>BLP</b>	<b>BLW</b>
White (Gloss)	<b>WHP</b>	<b>WHW</b>
Aluminum	<b>SAP</b>	—
Verde	—	<b>VER</b>

#### Brass Finish

Machined	<b>MAC</b>
Polished	<b>POL</b>
Mitique™	<b>MIT</b>

#### Stainless Finish

Machined	<b>MAC</b>
Polished	<b>POL</b>
Brushed <small>Interior Use Only</small>	<b>BRU</b>

*Also available in Premium Finishes  
See submittal SUB-1439-00*

### Lens Type

- 12** - Soft Focus Lens
- 13** - Rectilinear Lens

### Shielding

- 11** - Honeycomb Baffle

### Cap Style

- A** - 45°
- B** - 90°
- C** - Flush
- D** - 45°  
less Weep Hole  
(Interior Use Only)
- E** - 90°  
less Weep Hole  
(Interior Use Only)

### Option

- 360SL** - 360SL™ Rotational Knuckle Mounting System

## LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI
e10	3100K	3.0	80
e11	4100K	3.0	69
e12	Red (627nm)	2.8	~
e13	Green (530nm)	3.0	~
e14	Blue (470nm)	3.0	~
e15	Amber (590nm)	2.8	~

## L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000
50,000
50,000
50,000

## \*OPTICAL DATA

Beam Type	Angle	Visual Indicator
Spot	16°	Green Dot
Flood	33°	Blue Dot

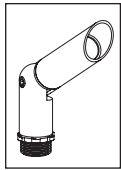
# B-K LIGHTING

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www.bklighting.com • info@bklighting.com

SUBMITTAL DATE  
1-11-10

DRAWING NUMBER  
SUB000931

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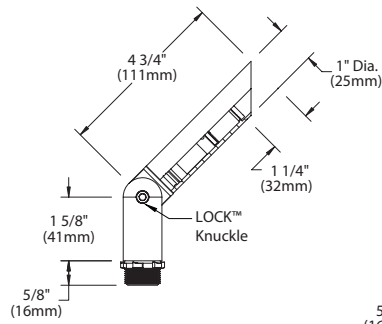


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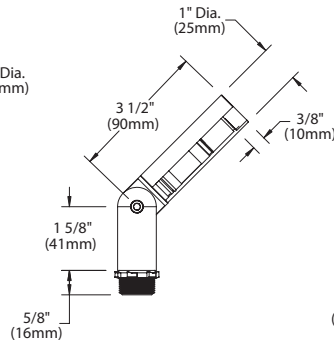
# MINI-MICRO™ FLOODLIGHT

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TYPE:	

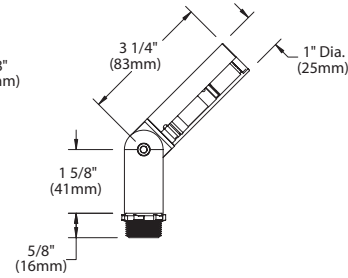
**"A/D" CAP**



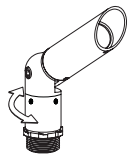
**"B/E" CAP**



**"C" CAP**



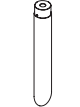
**360 SL™**



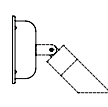
**Horizontal Rotation  
(Optional 360SL™ Knuckle)**

### Accessories (Configure separately)

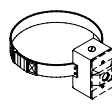
#### Mounting:



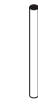
Power Pipe™



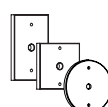
Power Canopy™



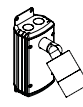
Tree Strap™



Stems



Canopies

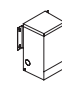


UPM™

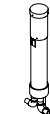
#### Remote Transformers:



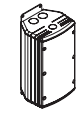
TRSS Series



TR Series



Power Pipe™



UPMRM™

## SPECIFICATIONS

### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult [www.bklighting.com/greensource](http://www.bklighting.com/greensource) for program requirements.

### Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 316).

### Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

### Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

### Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 3/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

### Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

### BKSSL™

Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements.

LM-80 certified. Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

### Optics

OPTIKIT™ modules are color-coded for easy reference: Spot (SP) = Green. Flood (FL) = Blue.

### Transformer

For use with 12VAC remote transformer.

### Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

### Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

### Finish

StarGuard® (Pat. Pend.), a RoHS compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

### Warranty

5 year limited warranty.

### Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE ([www.lightingfacts.com](http://www.lightingfacts.com)). ETL Listed to ANSI/UL Standard 1838 and UL Subject 8750 and Certified to CAN/CSA Standard C22.2 No. 9. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. Made in USA.



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<b>B-K LIGHTING</b>	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 <a href="http://www.bklighting.com">www.bklighting.com</a> • <a href="mailto:info@bklighting.com">info@bklighting.com</a>	SUBMITTAL DATE 1-11-10	DRAWING NUMBER SUB000931